

## EAST Search History

| Ref # | Hits  | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|-----------------|------------------|---------|------------------|
| L1    | 138   | 345/87-100.ccls. and (("mutually different" or opposite) with polarit\$3).ab.   | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 08:53 |
| L2    | 4     | (pixle or scan or scanning) same gate same (("mutually different" or "mutually exclusive") with polarit\$3)   | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 09:27 |
| L3    | 16    | ("20010005193" "20010020929" "20020101398" "5095304" "5165075" "5784042" "5995073" "6031515" "6157358" "6304241" "6404414" "6424328" "6441758" "6522315" "6538630" "6559821").PN. | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 09:27 |
| L4    | 4     | ("pixel switching" with ("p type" or "p channel" or "pchannel")) and "data line switching"  | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 09:34 |
| L5    | 20    | 345/92.ccls. and (pchannel or "p channel").ab.  | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 09:34 |
| L6    | 56    | 345/87-104.ccls. and (("mutually different" or "mutually exclusive") with polarit\$3)   | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 09:48 |
| L7    | 8     | 345/100.ccls. and (("mutually different" or "mutually exclusive") with polarit\$3)  | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 09:48 |
| S1    | 52    | data same (pixle or scan or scanning) same gate same (("mutually different" or opposite) with polarit\$3)   | US-PGPUB; USPAT | OR               | ON      | 2005/12/26 13:16 |
| S2    | 132   | data and (pixle or scan or scanning) and gate and (("mutually different" or opposite) with polarit\$3).ab.  | US-PGPUB; USPAT | OR               | ON      | 2005/04/03 16:00 |
| S3    | 10092 | 345/87-100.ccls. (("mutually different" or opposite) with polarit\$3).ab.   | US-PGPUB; USPAT | OR               | ON      | 2005/04/03 16:00 |
| S4    | 119   | 345/87-100.ccls. and (("mutually different" or opposite) with polarit\$3).ab.   | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 08:53 |
| S5    | 311   | 345/87-100.ccls. and (("mutually different" or opposite) ).ab.  | US-PGPUB; USPAT | OR               | ON      | 2005/04/03 16:13 |
| S6    | 3     | (pixle or scan or scanning) same gate same (("mutually different" or "mutually exclusive") with polarit\$3)   | US-PGPUB; USPAT | OR               | ON      | 2006/04/17 09:27 |

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|-----|------|---|--------------------|----|----|------------------|
| S7  | 56   | 345/87-104.ccls. and (("mutually different" or "mutually exclusive") with polarit\$3)               | US-PGPUB;<br>USPAT | OR | ON | 2006/04/17 09:35 |
| S8  | 2    | gate same "switching" same (("mutually different" or "mutually exclusive") with polarit\$3)         | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 13:26 |
| S9  | 87   | gate same "switching" same (("mutually different" or "mutually exclusive") )                        | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 13:26 |
| S10 | 7    | pixel same gate same "switching" same (("mutually different" or "mutually exclusive") )             | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 13:30 |
| S11 | 60   | pixel same gate same "switching" same (("mutually different" or "mutually exclusive" or mutually) ) | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 13:40 |
| S12 | 9    | pixel.ab. same gate.ab. same "switching".ab. same (( mutually.ab.))                                 | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 13:43 |
| S13 | 42   | pixel.ab. same gate.ab. same "switching".ab. same (( opposite.ab.))                                 | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 13:49 |
| S14 | 1    | "gate selection" with "switching selection"   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 13:50 |
| S15 | 0    | "gate selection" same "switching selection" same pixel  | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 13:50 |
| S16 | 17   | "gate selection" same "switching" same pixel  | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 14:57 |
| S17 | 8    | ("potential drop" or "potential rise") same switching same pixel                                    | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 15:09 |
| S18 | 1201 | "pixel switching" and "switching elements"  | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 15:35 |
| S19 | 901  | "pixel switching" same "switching elements"   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 15:38 |
| S20 | 41   | "pixel switching".ab. same "switching elements".ab.   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 15:47 |
| S21 | 1226 | 345/98.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 15:49 |
| S22 | 228  | 345/98.ccls. and (nchannel or "n channel") and (pchannel or "p channel")                            | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 15:51 |
| S23 | 228  | 345/98.ccls. and (nchannel or "n channel") and (pchannel or "p channel")                            | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 15:51 |
| S24 | 191  | 345/98.ccls. and (nchannel or "n channel") and (pchannel or "p channel") and switching              | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 15:51 |

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| S25 | 93  | 345/98.ccls. and (nchannel or "n channel") and (pchannel or "p channel") and ("switching element")             | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:20 |
| S26 | 20  | (nchannel or "n channel") with (pchannel or "p channel") with ("switching element") with transistor with pixel | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:23 |
| S27 | 7   | (nchannel or "n channel").ab. and (pchannel or "p channel").ab. and (switching.ab.) and transistor and pixel   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:25 |
| S28 | 214 | (TFT with (pchannel or "p channel")) and (switching.ab.) and transistor and pixel                              | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:31 |
| S29 | 2   | ((pchannel or "p channel").ab.) and ("switching element".ab.) and transistor and pixel                         | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:32 |
| S30 | 0   | ((pchannel or "p channel").ab.) and ("switching element".ab.) and 345/98.ccls.                                 | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:33 |
| S31 | 0   | ((pchannel or "p channel").ab.) and ("switching".ab.) and 345/98.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:33 |
| S32 | 0   | ((pchannel or "p channel").ab.) and ("switching".ab.) and 345/98-100.ccls.                                     | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:33 |
| S33 | 0   | (pchannel or "p channel").ab. and ("switching".ab.) and 345/98-100.ccls.                                       | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:34 |
| S34 | 30  | (pchannel or "p channel").ab. and 345/98-100.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:38 |
| S35 | 32  | (pchannel or "p channel").ab. and 345/94-100.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:37 |
| S36 | 2   | S35 not S34  | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:37 |
| S37 | 1   | (pchannel or "p channel").ab. and 345/98-100.ccls. and switch\$6.ab.   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:39 |
| S38 | 1   | (pchannel or "p channel").ab. and 345/98-100.ccls. and switch\$6.ab.   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:39 |
| S39 | 1   | (pchannel or "p channel").ab. and 345/98-100.ccls. and switch\$6.ab.   | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:40 |
| S40 | 2   | (pchannel or "p channel").ab. and 345/98-100.ccls. and switch\$6.clm.  | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 16:40 |

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|     |      |   |                 |    |    |                  |
|-----|------|---|-----------------|----|----|------------------|
| S41 | 22   | (pchannel or "p channel").ab. and "345"/\$.ccls. and switch\$6.clm.   | US-PGPUB; USPAT | OR | ON | 2005/12/26 16:42 |
| S42 | 1226 | 345/98.ccls.  | US-PGPUB; USPAT | OR | ON | 2005/12/26 16:42 |
| S43 | 236  | 345/98.ccls. and (pchannel or "p channel")  | US-PGPUB; USPAT | OR | ON | 2005/12/26 16:55 |
| S44 | 19   | 345/92.ccls. and (pchannel or "p channel").ab.  | US-PGPUB; USPAT | OR | ON | 2006/04/17 09:34 |
| S45 | 182  | TFT and (nchannel or "n channel").ab. and (pchannel or "p channel").ab.   | US-PGPUB; USPAT | OR | ON | 2005/12/26 17:00 |
| S46 | 182  | TFT and (nchannel or "n channel").ab. and (pchannel or "p channel").ab. and (nchannel or "n channel") and (pchannel or "p channel")   | US-PGPUB; USPAT | OR | ON | 2005/12/26 17:32 |
| S47 | 87   | TFT.ab. and ("switching elements" or "switching transisors").ab.  | US-PGPUB; USPAT | OR | ON | 2005/12/26 17:37 |
| S48 | 44   | TFT.ab. and ("switching elements" or "switching transisors") with (pchannel or "p channel")   | US-PGPUB; USPAT | OR | ON | 2005/12/26 17:46 |
| S49 | 16   | ("20010005193" "20010020929" "20020101398" "5095304" "5165075" "5784042" "5995073" "6031515" "6157358" "6304241" "6404414" "6424328" "6441758" "6522315" "6538630" "6559821").PN.   | US-PGPUB; USPAT | OR | ON | 2005/12/26 18:02 |
| S50 | 157  | ("20010005193" "20010020929" "20020101398" "5095304" "5165075" "5784042" "5995073" "6031515" "6157358" "6304241" "6404414" "6424328" "6441758" "6522315" "6538630" "6559821").uref. | US-PGPUB; USPAT | OR | ON | 2005/12/26 18:19 |
| S51 | 82   | ("pixel switching" with ("p type" or "p channel" or "pchannel"))  | US-PGPUB; USPAT | OR | ON | 2005/12/26 18:33 |
| S52 | 4    | ("pixel switching" with ("p type" or "p channel" or "pchannel")) and "data line switching"  | US-PGPUB; USPAT | OR | ON | 2006/04/17 09:34 |
| S53 | 12   | ("pixel switching" with ("p type" or "p channel" or "pchannel")) and 345/87-100.ccls.   | US-PGPUB; USPAT | OR | ON | 2005/12/26 18:33 |
| S54 | 16   | ("20010005193" "20010020929" "20020101398" "5095304" "5165075" "5784042" "5995073" "6031515" "6157358" "6304241" "6404414" "6424328" "6441758" "6522315" "6538630" "6559821").PN.   | US-PGPUB; USPAT | OR | ON | 2006/04/17 09:27 |

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|     |   |               |                    |    |    |                  |
|-----|---|---------------|--------------------|----|----|------------------|
| S55 | 1 | "6538630".PN. | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 21:32 |
| S56 | 1 | "6356314".PN. | US-PGPUB;<br>USPAT | OR | ON | 2005/12/26 21:32 |